

Release notes for ENDF/B Development n-061\_Pm\_151  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=6161, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=6161, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER    241 TO    365
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=6161, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=6161, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER    241
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6161, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER    367
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER    669
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER    684
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER    712
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER    735
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 744

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 751

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 24 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 24  
SECTION 3/ 24 NOT IN DIRECTORY RECORD NUMBER 761

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 768

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 41 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 41  
SECTION 3/ 41 NOT IN DIRECTORY RECORD NUMBER 777

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 783

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 800

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 818

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 54 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 54 | RECORD NUMBER | 836 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 55 | RECORD NUMBER | 852 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 56 | RECORD NUMBER | 870 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 57 | RECORD NUMBER | 888 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 58 | RECORD NUMBER | 906 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 59 | RECORD NUMBER | 923 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 60 | RECORD NUMBER | 940 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 61 | RECORD NUMBER | 958 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT= 91 (0): Directory (b)*

- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT= 91 |               |     |
|  | SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER | 975 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=102 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=102 |               |     |
|  | SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER | 991 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=103 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=103 |               |      |
|  | SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER | 1010 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=107 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=107 |               |      |
|  | SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER | 1023 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=600 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=600 |               |      |
|  | SECTION 3/600 NOT IN DIRECTORY            | RECORD NUMBER | 1040 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=601 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=601 |               |      |
|  | SECTION 3/601 NOT IN DIRECTORY            | RECORD NUMBER | 1051 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=602 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=602 |               |      |
|  | SECTION 3/602 NOT IN DIRECTORY            | RECORD NUMBER | 1062 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=603 (0): Directory (b)*
- |  |   |               |      |
|--|---|---------------|------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=603 |               |      |
|  | SECTION 3/603 NOT IN DIRECTORY            | RECORD NUMBER | 1073 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=604 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=604 |                    |
|  | SECTION 3/604 NOT IN DIRECTORY            | RECORD NUMBER 1084 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=649 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=649 |                    |
|  | SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 1095 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=800 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=800 |                    |
|  | SECTION 3/800 NOT IN DIRECTORY            | RECORD NUMBER 1106 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=801 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=801 |                    |
|  | SECTION 3/801 NOT IN DIRECTORY            | RECORD NUMBER 1122 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=802 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=802 |                    |
|  | SECTION 3/802 NOT IN DIRECTORY            | RECORD NUMBER 1138 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=803 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=803 |                    |
|  | SECTION 3/803 NOT IN DIRECTORY            | RECORD NUMBER 1154 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=804 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=804 |                    |
|  | SECTION 3/804 NOT IN DIRECTORY            | RECORD NUMBER 1170 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=805 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=805 |                    |
|  | SECTION 3/805 NOT IN DIRECTORY            | RECORD NUMBER 1186 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=806 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=806 |                    |
|  | SECTION 3/806 NOT IN DIRECTORY            | RECORD NUMBER 1202 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=807 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=807 |                    |
|  | SECTION 3/807 NOT IN DIRECTORY            | RECORD NUMBER 1218 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=808 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=808 |                    |
|  | SECTION 3/808 NOT IN DIRECTORY            | RECORD NUMBER 1233 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 3, MT=849 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 3, MT=849 |                    |
|  | SECTION 3/849 NOT IN DIRECTORY            | RECORD NUMBER 1248 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 2 (0): Directory (b)*
- |  |  |                    |
|--|--|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 2 |                    |
|  | SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1265 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 51 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 51 |                    |
|  | SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1430 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 52 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 52 |                    |
|  | SECTION 4/ 52 NOT IN DIRECTORY            | RECORD NUMBER 1573 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 53 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 53 |                    |
|  | SECTION 4/ 53 NOT IN DIRECTORY            | RECORD NUMBER 1666 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 54 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 54 | RECORD NUMBER | 1759 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 55 | RECORD NUMBER | 1895 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 56 | RECORD NUMBER | 1988 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 57 | RECORD NUMBER | 2079 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 58 | RECORD NUMBER | 2168 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 59 | RECORD NUMBER | 2285 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 60 | RECORD NUMBER | 2374 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT= 61 | RECORD NUMBER | 2463 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=600 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=600 | RECORD NUMBER | 2552 |
| SECTION 4/600 NOT IN DIRECTORY            |               |      |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=601 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=601 | RECORD NUMBER | 2597 |
| SECTION 4/601 NOT IN DIRECTORY            |               |      |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=602 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=602 | RECORD NUMBER | 2642 |
| SECTION 4/602 NOT IN DIRECTORY            |               |      |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=603 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=603 | RECORD NUMBER | 2687 |
| SECTION 4/603 NOT IN DIRECTORY            |               |      |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=604 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=604 | RECORD NUMBER | 2732 |
| SECTION 4/604 NOT IN DIRECTORY            |               |      |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=800 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=800 | RECORD NUMBER | 2777 |
| SECTION 4/800 NOT IN DIRECTORY            |               |      |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=801 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=801 | RECORD NUMBER | 2854 |
| SECTION 4/801 NOT IN DIRECTORY            |               |      |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=802 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=802 | RECORD NUMBER | 2931 |
| SECTION 4/802 NOT IN DIRECTORY            |               |      |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=803 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=803 |                    |
| SECTION 4/803 NOT IN DIRECTORY            | RECORD NUMBER 3008 |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=804 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=804 |                    |
| SECTION 4/804 NOT IN DIRECTORY            | RECORD NUMBER 3085 |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=805 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=805 |                    |
| SECTION 4/805 NOT IN DIRECTORY            | RECORD NUMBER 3162 |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=806 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=806 |                    |
| SECTION 4/806 NOT IN DIRECTORY            | RECORD NUMBER 3239 |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=807 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=807 |                    |
| SECTION 4/807 NOT IN DIRECTORY            | RECORD NUMBER 3316 |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 4, MT=808 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 4, MT=808 |                    |
| SECTION 4/808 NOT IN DIRECTORY            | RECORD NUMBER 3393 |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 16 |                    |
| SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 3471 |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 17 |                    |
| SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 4554 |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 22 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 22 |                    |
| SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 4885 |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 24 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 24 |                    |
| SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 6875 |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 28 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 28 |                    |
| SECTION 6/ 28 NOT IN DIRECTORY            | RECORD NUMBER 7354 |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 41 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 41 |                    |
| SECTION 6/ 41 NOT IN DIRECTORY            | RECORD NUMBER 8748 |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT= 91 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT= 91 |                    |
| SECTION 6/ 91 NOT IN DIRECTORY            | RECORD NUMBER 8931 |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT=102 (0): Directory (b)*
- |   |                     |
|---|---------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT=102 |                     |
| SECTION 6/102 NOT IN DIRECTORY            | RECORD NUMBER 16385 |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT=649 (0): Directory (b)*
- |   |                     |
|---|---------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT=649 |                     |
| SECTION 6/649 NOT IN DIRECTORY            | RECORD NUMBER 17370 |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF= 6, MT=849 (0): Directory (b)*
- |   |                     |
|---|---------------------|
| ERROR(S) FOUND IN MAT=6161, MF= 6, MT=849 |                     |
| SECTION 6/849 NOT IN DIRECTORY            | RECORD NUMBER 18451 |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 51 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 19626
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 19630
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 19634
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 19638
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 19642
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 19646
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 19650
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 19655
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 59 (0): Directory (b)*

- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT= 59 | RECORD NUMBER | 19659 |
| SECTION 12/ 59 NOT IN DIRECTORY           |               |       |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 60 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT= 60 | RECORD NUMBER | 19663 |
| SECTION 12/ 60 NOT IN DIRECTORY           |               |       |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT= 61 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT= 61 | RECORD NUMBER | 19667 |
| SECTION 12/ 61 NOT IN DIRECTORY           |               |       |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=601 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT=601 | RECORD NUMBER | 19673 |
| SECTION 12/601 NOT IN DIRECTORY           |               |       |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=602 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT=602 | RECORD NUMBER | 19677 |
| SECTION 12/602 NOT IN DIRECTORY           |               |       |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=603 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT=603 | RECORD NUMBER | 19681 |
| SECTION 12/603 NOT IN DIRECTORY           |               |       |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=604 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT=604 | RECORD NUMBER | 19685 |
| SECTION 12/604 NOT IN DIRECTORY           |               |       |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=801 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6161, MF=12, MT=801 | RECORD NUMBER | 19689 |
| SECTION 12/801 NOT IN DIRECTORY           |               |       |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=802 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6161, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 19693
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=803  
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 19697
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=804  
SECTION 12/804 NOT IN DIRECTORY RECORD NUMBER 19701
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=805  
SECTION 12/805 NOT IN DIRECTORY RECORD NUMBER 19705
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=806  
SECTION 12/806 NOT IN DIRECTORY RECORD NUMBER 19709
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=807  
SECTION 12/807 NOT IN DIRECTORY RECORD NUMBER 19714
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=12, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=12, MT=808  
SECTION 12/808 NOT IN DIRECTORY RECORD NUMBER 19718
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 19723
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 52 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 19725
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 19727
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 19729
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 19731
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 19733
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 19735
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 19737
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 19739
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 60 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 19741
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 19743
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 19745
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 19747
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 19749
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 19751
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 19753
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=6161, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 19755
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=803 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY

RECORD NUMBER 19757

120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=804 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=804  
SECTION 14/804 NOT IN DIRECTORY

RECORD NUMBER 19759

121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=805 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=805  
SECTION 14/805 NOT IN DIRECTORY

RECORD NUMBER 19761

122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=806 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=806  
SECTION 14/806 NOT IN DIRECTORY

RECORD NUMBER 19763

123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=807 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=807  
SECTION 14/807 NOT IN DIRECTORY

RECORD NUMBER 19765

124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=6161, MF=14, MT=808 (0): Directory (b)*

ERROR(S) FOUND IN MAT=6161, MF=14, MT=808  
SECTION 14/808 NOT IN DIRECTORY

RECORD NUMBER 19767

• **psyche** Warnings:

1. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 2.56000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.22482E+00 SHOULD BE 6.76706E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 2.56000E-04

ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 2.56000E-04

DENSITY 7.22482E+00 SHOULD BE 6.76706E+00

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.21478E+00 SHOULD BE 6.75766E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.21478E+00 SHOULD BE 6.75766E+00

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.20292E+00 SHOULD BE 6.74655E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.20292E+00 SHOULD BE 6.74655E+00

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.19106E+00 SHOULD BE 6.73544E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.19106E+00 SHOULD BE 6.73544E+00

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.17922E+00 SHOULD BE 6.72436E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.17922E+00 SHOULD BE 6.72436E+00

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.16741E+00 SHOULD BE 6.71329E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.16741E+00 SHOULD BE 6.71329E+00

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.15562E+00 SHOULD BE 6.70225E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.15562E+00 SHOULD BE 6.70225E+00

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.14386E+00 SHOULD BE 6.69123E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.14386E+00 SHOULD BE 6.69123E+00

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.13211E+00 SHOULD BE 6.68023E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.13211E+00 SHOULD BE 6.68023E+00

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.12037E+00 SHOULD BE 6.66923E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.12037E+00 SHOULD BE 6.66923E+00

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 7.10866E+00 SHOULD BE 6.65827E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 7.10866E+00 SHOULD BE 6.65827E+00

12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.99266E+00 SHOULD BE 6.54961E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.99266E+00 SHOULD BE 6.54961E+00

13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.87863E+00 SHOULD BE 6.44281E+00 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.87863E+00 SHOULD BE 6.44281E+00

14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.76656E+00 SHOULD BE 6.33783E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.76656E+00 SHOULD BE 6.33783E+00
15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.65637E+00 SHOULD BE 6.23463E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.65637E+00 SHOULD BE 6.23463E+00
16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.54807E+00 SHOULD BE 6.13319E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.54807E+00 SHOULD BE 6.13319E+00
17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.44161E+00 SHOULD BE 6.03347E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.44161E+00 SHOULD BE 6.03347E+00
18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.33695E+00 SHOULD BE 5.93545E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.33695E+00 SHOULD BE 5.93545E+00
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 2.56000E-04 / DENSITY 6.27829E+00 SHOULD BE 5.88051E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 2.56000E-04  
DENSITY 6.27829E+00 SHOULD BE 5.88051E+00
20. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [21 more lines]
21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.47388E+00 SHOULD BE 9.06937E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.47388E+00 SHOULD BE 9.06937E+00
22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.46072E+00 SHOULD BE 9.05677E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.46072E+00 SHOULD BE 9.05677E+00
23. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [2 more lines]
24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.44517E+00 SHOULD BE 9.04187E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.44517E+00 SHOULD BE 9.04187E+00
25. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05

- AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
- ... [2 more lines]
26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.42962E+00 SHOULD BE 9.02699E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.42962E+00 SHOULD BE 9.02699E+00
27. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
- ... [2 more lines]
28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.41410E+00 SHOULD BE 9.01213E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.41410E+00 SHOULD BE 9.01213E+00
29. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
- ... [2 more lines]
30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.39861E+00 SHOULD BE 8.99730E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.39861E+00 SHOULD BE 8.99730E+00

31. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.38315E+00 SHOULD BE 8.98250E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05
DENSITY 9.38315E+00 SHOULD BE 8.98250E+00
```

33. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.36772E+00 SHOULD BE 8.96774E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05
DENSITY 9.36772E+00 SHOULD BE 8.96774E+00
```

35. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS*

*7.40000E-05 / DENSITY 9.35232E+00 SHOULD BE 8.95299E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.35232E+00 SHOULD BE 8.95299E+00

37. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

... [2 more lines]

38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.33692E+00 SHOULD BE 8.93825E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.33692E+00 SHOULD BE 8.93825E+00

39. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

... [2 more lines]

40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.32157E+00 SHOULD BE 8.92355E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.32157E+00 SHOULD BE 8.92355E+00

41. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [2 more lines]
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.16946E+00 SHOULD BE 8.77794E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.16946E+00 SHOULD BE 8.77794E+00
43. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [2 more lines]
44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 9.01993E+00 SHOULD BE 8.63480E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 9.01993E+00 SHOULD BE 8.63480E+00
45. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [2 more lines]
46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 8.87297E+00 SHOULD BE 8.49410E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 8.87297E+00 SHOULD BE 8.49410E+00

47. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 8.72848E+00 SHOULD BE 8.35579E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05
DENSITY 8.72848E+00 SHOULD BE 8.35579E+00
```

49. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 8.58647E+00 SHOULD BE 8.21984E+00 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05
DENSITY 8.58647E+00 SHOULD BE 8.21984E+00
```

51. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05
AVERAGE GAMMA WIDTH 3.00000E-02
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS*

*7.40000E-05 / DENSITY 8.44686E+00 SHOULD BE 8.08619E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 8.44686E+00 SHOULD BE 8.08619E+00

53. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

... [2 more lines]

54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 8.30963E+00 SHOULD BE 7.95482E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 8.30963E+00 SHOULD BE 7.95482E+00

55. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

... [2 more lines]

56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 8.23271E+00 SHOULD BE 7.88119E+00 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 8.23271E+00 SHOULD BE 7.88119E+00

57. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05 / AVERAGE GAMMA WIDTH 3.00000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05  
AVERAGE GAMMA WIDTH 3.00000E-02  
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.  
... [2 more lines]
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.22482E+00 SHOULD BE 6.47812E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.22482E+00 SHOULD BE 6.47812E+00
59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.21478E+00 SHOULD BE 6.46912E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.21478E+00 SHOULD BE 6.46912E+00
60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.20292E+00 SHOULD BE 6.45848E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.20292E+00 SHOULD BE 6.45848E+00
61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.19106E+00 SHOULD BE 6.44785E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.19106E+00 SHOULD BE 6.44785E+00
62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.17922E+00 SHOULD BE 6.43724E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.17922E+00 SHOULD BE 6.43724E+00
63. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.16741E+00 SHOULD BE 6.42664E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.16741E+00 SHOULD BE 6.42664E+00
64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.15562E+00 SHOULD BE 6.41607E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.15562E+00 SHOULD BE 6.41607E+00
65. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.14386E+00 SHOULD BE 6.40553E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.14386E+00 SHOULD BE 6.40553E+00
66. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.13211E+00 SHOULD BE 6.39499E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.13211E+00 SHOULD BE 6.39499E+00
67. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.12037E+00 SHOULD BE 6.38447E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.12037E+00 SHOULD BE 6.38447E+00
68. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 7.10866E+00 SHOULD BE 6.37397E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 7.10866E+00 SHOULD BE 6.37397E+00
69. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.99266E+00 SHOULD BE 6.26996E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.99266E+00 SHOULD BE 6.26996E+00
70. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.87863E+00 SHOULD BE 6.16771E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.87863E+00 SHOULD BE 6.16771E+00
71. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.76656E+00 SHOULD BE 6.06722E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.76656E+00 SHOULD BE 6.06722E+00
72. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.65637E+00 SHOULD BE 5.96842E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.65637E+00 SHOULD BE 5.96842E+00
73. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.54807E+00 SHOULD BE 5.87131E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.54807E+00 SHOULD BE 5.87131E+00
74. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.44161E+00 SHOULD BE 5.77585E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.44161E+00 SHOULD BE 5.77585E+00
75. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.33695E+00 SHOULD BE 5.68201E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.33695E+00 SHOULD BE 5.68201E+00
76. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.27829E+00 SHOULD BE 5.62942E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.27829E+00 SHOULD BE 5.62942E+00
77. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.13175E+00 SHOULD BE 5.03854E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.13175E+00 SHOULD BE 5.03854E+00
78. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.12324E+00 SHOULD BE 5.03154E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.12324E+00 SHOULD BE 5.03154E+00
79. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.11317E+00 SHOULD BE 5.02326E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.11317E+00 SHOULD BE 5.02326E+00
80. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.10311E+00 SHOULD BE 5.01500E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.10311E+00 SHOULD BE 5.01500E+00
81. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.09306E+00 SHOULD BE 5.00674E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.09306E+00 SHOULD BE 5.00674E+00
82. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.08303E+00 SHOULD BE 4.99850E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.08303E+00 SHOULD BE 4.99850E+00
83. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.07303E+00 SHOULD BE 4.99028E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.07303E+00 SHOULD BE 4.99028E+00
84. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.06305E+00 SHOULD BE 4.98208E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.06305E+00 SHOULD BE 4.98208E+00
85. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.05307E+00 SHOULD BE 4.97388E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.05307E+00 SHOULD BE 4.97388E+00
86. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.04311E+00 SHOULD BE 4.96570E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.04311E+00 SHOULD BE 4.96570E+00
87. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 6.03317E+00 SHOULD BE 4.95753E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 6.03317E+00 SHOULD BE 4.95753E+00
88. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.93472E+00 SHOULD BE 4.87663E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.93472E+00 SHOULD BE 4.87663E+00
89. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.83795E+00 SHOULD BE 4.79711E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.83795E+00 SHOULD BE 4.79711E+00
90. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.74283E+00 SHOULD BE 4.71895E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.74283E+00 SHOULD BE 4.71895E+00
91. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.64931E+00 SHOULD BE 4.64211E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.64931E+00 SHOULD BE 4.64211E+00
92. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.55739E+00 SHOULD BE 4.56658E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.55739E+00 SHOULD BE 4.56658E+00
93. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.46704E+00 SHOULD BE 4.49233E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.46704E+00 SHOULD BE 4.49233E+00
94. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.37822E+00 SHOULD BE 4.41934E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.37822E+00 SHOULD BE 4.41934E+00
95. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05 / DENSITY 5.32843E+00 SHOULD BE 4.37844E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 7.40000E-05  
DENSITY 5.32843E+00 SHOULD BE 4.37844E+00
96. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.51156E+01 SHOULD BE 1.47894E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.51156E+01 SHOULD BE 1.47894E+01
97. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.50946E+01 SHOULD BE 1.47688E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.50946E+01 SHOULD BE 1.47688E+01
98. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.50698E+01 SHOULD BE 1.47446E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.50698E+01 SHOULD BE 1.47446E+01
99. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.50450E+01 SHOULD BE 1.47203E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.50450E+01 SHOULD BE 1.47203E+01
100. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.50202E+01 SHOULD BE 1.46961E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.50202E+01 SHOULD BE 1.46961E+01
101. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.49955E+01 SHOULD BE 1.46719E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.49955E+01 SHOULD BE 1.46719E+01
102. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.49708E+01 SHOULD BE 1.46477E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.49708E+01 SHOULD BE 1.46477E+01
103. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.49462E+01 SHOULD BE 1.46237E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.49462E+01 SHOULD BE 1.46237E+01
104. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.49216E+01 SHOULD BE 1.45996E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.49216E+01 SHOULD BE 1.45996E+01
105. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.48971E+01 SHOULD BE 1.45756E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.48971E+01 SHOULD BE 1.45756E+01
106. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.48726E+01 SHOULD BE 1.45516E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.48726E+01 SHOULD BE 1.45516E+01
107. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.46299E+01 SHOULD BE 1.43142E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.46299E+01 SHOULD BE 1.43142E+01
108. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.43913E+01 SHOULD BE 1.40807E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.43913E+01 SHOULD BE 1.40807E+01
109. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.41568E+01 SHOULD BE 1.38513E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.41568E+01 SHOULD BE 1.38513E+01
110. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.39263E+01 SHOULD BE 1.36258E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.39263E+01 SHOULD BE 1.36258E+01
111. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.36997E+01 SHOULD BE 1.34041E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.36997E+01 SHOULD BE 1.34041E+01
112. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.34770E+01 SHOULD BE 1.31861E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.34770E+01 SHOULD BE 1.31861E+01
113. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.32580E+01 SHOULD BE 1.29719E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.32580E+01 SHOULD BE 1.29719E+01
114. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 1.31353E+01 SHOULD BE 1.28518E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 1.31353E+01 SHOULD BE 1.28518E+01
115. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.47388E+00 SHOULD BE 8.87363E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.47388E+00 SHOULD BE 8.87363E+00
116. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.46072E+00 SHOULD BE 8.86130E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.46072E+00 SHOULD BE 8.86130E+00
117. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.44517E+00 SHOULD BE 8.84673E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.44517E+00 SHOULD BE 8.84673E+00
118. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.42962E+00 SHOULD BE 8.83217E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.42962E+00 SHOULD BE 8.83217E+00
119. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.41410E+00 SHOULD BE 8.81763E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.41410E+00 SHOULD BE 8.81763E+00
120. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.39860E+00 SHOULD BE 8.80312E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.39860E+00 SHOULD BE 8.80312E+00
121. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.38315E+00 SHOULD BE 8.78864E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.38315E+00 SHOULD BE 8.78864E+00
122. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.36772E+00 SHOULD BE 8.77419E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.36772E+00 SHOULD BE 8.77419E+00
123. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.35232E+00 SHOULD BE 8.75977E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.35232E+00 SHOULD BE 8.75977E+00
124. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.33692E+00 SHOULD BE 8.74535E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.33692E+00 SHOULD BE 8.74535E+00
125. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.32157E+00 SHOULD BE 8.73097E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.32157E+00 SHOULD BE 8.73097E+00
126. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.16946E+00 SHOULD BE 8.58849E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.16946E+00 SHOULD BE 8.58849E+00
127. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 9.01993E+00 SHOULD BE 8.44844E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 9.01993E+00 SHOULD BE 8.44844E+00
128. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.87297E+00 SHOULD BE 8.31079E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.87297E+00 SHOULD BE 8.31079E+00
129. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.72848E+00 SHOULD BE 8.17546E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.72848E+00 SHOULD BE 8.17546E+00
130. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.58647E+00 SHOULD BE 8.04244E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.58647E+00 SHOULD BE 8.04244E+00
131. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.44686E+00 SHOULD BE 7.91168E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.44686E+00 SHOULD BE 7.91168E+00
132. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.30963E+00 SHOULD BE 7.78314E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.30963E+00 SHOULD BE 7.78314E+00
133. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 8.23271E+00 SHOULD BE 7.71109E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 8.23271E+00 SHOULD BE 7.71109E+00
134. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.22482E+00 SHOULD BE 6.33831E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.22482E+00 SHOULD BE 6.33831E+00
135. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.21478E+00 SHOULD BE 6.32950E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.21478E+00 SHOULD BE 6.32950E+00
136. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.20292E+00 SHOULD BE 6.31909E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.20292E+00 SHOULD BE 6.31909E+00
137. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.19106E+00 SHOULD BE 6.30869E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.19106E+00 SHOULD BE 6.30869E+00
138. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.17922E+00 SHOULD BE 6.29831E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.17922E+00 SHOULD BE 6.29831E+00
139. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.16741E+00 SHOULD BE 6.28794E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.16741E+00 SHOULD BE 6.28794E+00
140. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.15562E+00 SHOULD BE 6.27760E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.15562E+00 SHOULD BE 6.27760E+00
141. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.14386E+00 SHOULD BE 6.26728E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.14386E+00 SHOULD BE 6.26728E+00
142. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.13211E+00 SHOULD BE 6.25698E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.13211E+00 SHOULD BE 6.25698E+00
143. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.12037E+00 SHOULD BE 6.24668E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.12037E+00 SHOULD BE 6.24668E+00
144. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 7.10866E+00 SHOULD BE 6.23640E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 7.10866E+00 SHOULD BE 6.23640E+00
145. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.99266E+00 SHOULD BE 6.13464E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.99266E+00 SHOULD BE 6.13464E+00
146. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.87863E+00 SHOULD BE 6.03460E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.87863E+00 SHOULD BE 6.03460E+00
147. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.76656E+00 SHOULD BE 5.93628E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.76656E+00 SHOULD BE 5.93628E+00
148. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.65637E+00 SHOULD BE 5.83961E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.65637E+00 SHOULD BE 5.83961E+00
149. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.54807E+00 SHOULD BE 5.74460E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.54807E+00 SHOULD BE 5.74460E+00
150. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.44161E+00 SHOULD BE 5.65120E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.44161E+00 SHOULD BE 5.65120E+00
151. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.33695E+00 SHOULD BE 5.55938E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.33695E+00 SHOULD BE 5.55938E+00
152. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.27829E+00 SHOULD BE 5.50792E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.27829E+00 SHOULD BE 5.50792E+00
153. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.13175E+00 SHOULD BE 4.92979E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.13175E+00 SHOULD BE 4.92979E+00
154. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.12324E+00 SHOULD BE 4.92294E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.12324E+00 SHOULD BE 4.92294E+00
155. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.11317E+00 SHOULD BE 4.91485E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.11317E+00 SHOULD BE 4.91485E+00
156. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.10311E+00 SHOULD BE 4.90676E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.10311E+00 SHOULD BE 4.90676E+00
157. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.09306E+00 SHOULD BE 4.89868E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.09306E+00 SHOULD BE 4.89868E+00
158. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.08303E+00 SHOULD BE 4.89062E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.08303E+00 SHOULD BE 4.89062E+00
159. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.07303E+00 SHOULD BE 4.88258E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.07303E+00 SHOULD BE 4.88258E+00
160. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.06305E+00 SHOULD BE 4.87455E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.06305E+00 SHOULD BE 4.87455E+00
161. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.05307E+00 SHOULD BE 4.86654E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.05307E+00 SHOULD BE 4.86654E+00
162. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.04311E+00 SHOULD BE 4.85853E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.04311E+00 SHOULD BE 4.85853E+00
163. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 6.03317E+00 SHOULD BE 4.85054E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 6.03317E+00 SHOULD BE 4.85054E+00
164. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.93472E+00 SHOULD BE 4.77138E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.93472E+00 SHOULD BE 4.77138E+00
165. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.83795E+00 SHOULD BE 4.69358E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.83795E+00 SHOULD BE 4.69358E+00
166. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.74283E+00 SHOULD BE 4.61710E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.74283E+00 SHOULD BE 4.61710E+00
167. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.64931E+00 SHOULD BE 4.54192E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.64931E+00 SHOULD BE 4.54192E+00
168. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.55739E+00 SHOULD BE 4.46802E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.55739E+00 SHOULD BE 4.46802E+00
169. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.46704E+00 SHOULD BE 4.39538E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.46704E+00 SHOULD BE 4.39538E+00
170. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.37822E+00 SHOULD BE 4.32397E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.37822E+00 SHOULD BE 4.32397E+00
171. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.32843E+00 SHOULD BE 4.28394E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.32843E+00 SHOULD BE 4.28394E+00
172. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.59516E+00 SHOULD BE 4.03347E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
ENERGY = 1.56000E+02. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.59516E+00 SHOULD BE 4.03347E+00
173. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.58739E+00 SHOULD BE 4.02786E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.58739E+00 SHOULD BE 4.02786E+00
174. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.57820E+00 SHOULD BE 4.02124E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.57820E+00 SHOULD BE 4.02124E+00
175. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.56902E+00 SHOULD BE 4.01462E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.56902E+00 SHOULD BE 4.01462E+00
176. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.55985E+00 SHOULD BE 4.00801E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.55985E+00 SHOULD BE 4.00801E+00
177. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.55070E+00 SHOULD BE 4.00142E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.55070E+00 SHOULD BE 4.00142E+00
178. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.54158E+00 SHOULD BE 3.99484E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.54158E+00 SHOULD BE 3.99484E+00
179. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.53246E+00 SHOULD BE 3.98827E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.53246E+00 SHOULD BE 3.98827E+00
180. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.52337E+00 SHOULD BE 3.98171E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.52337E+00 SHOULD BE 3.98171E+00
181. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.51428E+00 SHOULD BE 3.97516E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.51428E+00 SHOULD BE 3.97516E+00
182. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.50521E+00 SHOULD BE 3.96862E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.50521E+00 SHOULD BE 3.96862E+00
183. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.41537E+00 SHOULD BE 3.90386E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.41537E+00 SHOULD BE 3.90386E+00
184. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.32706E+00 SHOULD BE 3.84020E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.32706E+00 SHOULD BE 3.84020E+00
185. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.24027E+00 SHOULD BE 3.77763E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.24027E+00 SHOULD BE 3.77763E+00
186. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.15494E+00 SHOULD BE 3.71612E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.15494E+00 SHOULD BE 3.71612E+00
187. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 5.07106E+00 SHOULD BE 3.65565E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 5.07106E+00 SHOULD BE 3.65565E+00
188. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 4.98862E+00 SHOULD BE 3.59622E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.70000E-04  
DENSITY 4.98862E+00 SHOULD BE 3.59622E+00
189. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 4.90757E+00 SHOULD BE 3.53779E+00 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.70000E-04
DENSITY 4.90757E+00 SHOULD BE 3.53779E+00

```

190. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04 / DENSITY 4.86214E+00 SHOULD BE 3.50504E+00 (0): URR dens. (a)*

```

FILE 2
SECTION 151
ENERGY = 8.56800E+04. STRENGTH FUNCTION IS 1.70000E-04
DENSITY 4.86214E+00 SHOULD BE 3.50504E+00

```

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.0 and S = 1.0 for "capture"

2. Potential scattering hasn't converted, you need more L's!  
*resonances / resolved (Error # 1): potentialScatteringNotConverged*

WARNING: Potential scattering hasn't converged by L=0 at E=156.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. The URR for this spin group needs higher energy resolution for correct representation of the average cross section  
*resonances / unresolved (Error # 0): URRinsufficientEnergyGrid*

WARNING: More points needed in L=0 J=2.0 unresolved widths between 156. eV and 1.e3 eV  
 WARNING: More points needed in L=0 J=3.0 unresolved widths between 156. eV and 1.e3 eV  
 WARNING: More points needed in L=1 J=1.0 unresolved widths between 156. eV and 1.e3 eV  
 WARNING: More points needed in L=1 J=2.0 unresolved widths between 156. eV and 1.e3 eV  
 ... plus 8 more instances of this message

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 13: n[multiplicity:'2'] + Pm150 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7516522.915344238 eV vs -7.863e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 14: n[multiplicity:'3'] + Pm149 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13153915.10183716 eV vs -1.3465e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 15: n + H1 + Nd150 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6733726.617401123 eV vs -6.994e6 eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 16: H1 + Nd151 (Error # 0): Q mismatch*

- WARNING: Calculated and tabulated Q-values disagree: -1096334.430908203 eV vs -1.66e6 eV!
5. Calculated and tabulated Q values disagree.  
*reaction label 17:  $H1 + Nd151\_e1$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1118784.430908203 eV vs -1682450. eV!

  6. Calculated and tabulated Q values disagree.  
*reaction label 18:  $H1 + Nd151\_e2$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1154004.430908203 eV vs -1717670. eV!

  7. Calculated and tabulated Q values disagree.  
*reaction label 19:  $H1 + Nd151\_e3$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1172194.430908203 eV vs -1735860. eV!

  8. Calculated and tabulated Q values disagree.  
*reaction label 20:  $H1 + Nd151\_e4$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1192234.430908203 eV vs -1.7559e6 eV!

  9. Calculated and tabulated Q values disagree.  
*reaction label 21:  $H1 + (Nd151\_c \rightarrow Nd151 + \gamma)$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1192234.430908203 eV vs -1.7559e6 eV!

  10. Calculated and tabulated Q values disagree.  
*reaction label 22:  $He4 + Pr148$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5432891.076782227 eV vs 4.733e6 eV!

  11. Calculated and tabulated Q values disagree.  
*reaction label 23:  $He4 + Pr148\_e1$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5342891.076782227 eV vs 4.643e6 eV!

  12. Calculated and tabulated Q values disagree.  
*reaction label 24:  $He4 + Pr148\_e2$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5334721.076782227 eV vs 4634830. eV!

  13. Calculated and tabulated Q values disagree.  
*reaction label 25:  $He4 + Pr148\_e3$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5333901.076782227 eV vs 4634010. eV!

  14. Calculated and tabulated Q values disagree.  
*reaction label 26:  $He4 + Pr148\_e4$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5327691.076782227 eV vs 4.6278e6 eV!

  15. Calculated and tabulated Q values disagree.  
*reaction label 27:  $He4 + Pr148\_e5$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5311721.076782227 eV vs 4611830. eV!

16. Calculated and tabulated Q values disagree.  
*reaction label 28: He4 + Pr148\_e6 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5236891.076782227 eV vs 4.537e6 eV!
17. Calculated and tabulated Q values disagree.  
*reaction label 29: He4 + Pr148\_e7 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5159091.076782227 eV vs 4.4592e6 eV!
18. Calculated and tabulated Q values disagree.  
*reaction label 30: He4 + Pr148\_e8 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5145591.076782227 eV vs 4.4457e6 eV!
19. Calculated and tabulated Q values disagree.  
*reaction label 31: He4 + (Pr148\_c ->Pr148 + gamma) (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 5145591.076782227 eV vs 4.4457e6 eV!
20. Calculated and tabulated Q values disagree.  
*reaction label 32: Pm152 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: 6200153.237304688 eV vs 5.94e6 eV!
21. Calculated and tabulated Q values disagree.  
*reaction label 33: n + He4 + Pr147 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -204501.1097106934 eV vs -3.53e5 eV!
22. Calculated and tabulated Q values disagree.  
*reaction label 34: n[multiplicity:'2'] + He4 + Pr146 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -6781458.660598755 eV vs -7.129e6 eV!
23. Calculated and tabulated Q values disagree.  
*reaction label 35: n[multiplicity:'2'] + H1 + Nd149 + gamma (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -14250249.53271484 eV vs -1.4374e7 eV!
24. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*  
  
WARNING: Cross section domain does not match domain of linked reaction cross section sum
25. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*  
  
WARNING: Cross section domain does not match domain of linked reaction cross section sum

- njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

```

---message from hinit---mf6, mt102 does not give recoil za= 61152
                        photon momentum recoil used.

```